VOL. 599, NOS. 1+2 JOURNAL OF CHROMATOGRAPHY MAY 22, 1992

CONTENTS

11TH INTERNATIONAL SYMPOSIUM ON HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY OF PROTEINS, PEPTIDES AND POLYNUCLEOTIDES, WASHINGTON, DC, OCTOBER 20–23, 1991

Foreword
by B. R. Österlund 1

Measurement of amino acid compositions of glycoprotein systems by gas-phase hydrolysis and reversed-phase high-performance liquid chromatography
by D. E. H. Palladino, R. M. House and K. A. Cohen (Ridgefield, CT, USA) 3

Selective high-performance liquid chromatographic purification of bispecific monoclonal antibodies
by L. Tarditi, M. Camagna, A. Parisi and C. Vassarotto (Saluggia, Italy), L. B. DeMonte (Turin, Italy), M. Letarte (Toronto, Canada), F. Malavasi (Turin, Italy) and M. Mariani (Saluggia, Italy) 13

Chromatographic analysis of low-molecular-mass copper-binding ligands from the crab species *Scylla serrata* and *Portunus pelagicus*
by S.-G. Ang and V. W. T. Wong (Singapore, Singapore) 21

Biosep-SEC-S high-performance size-exclusion chromatographic columns for proteins and peptides
by F. Ahmed and B. Modrek (Torrance, CA, USA) 25

Separation of synthetic phosphorothioate oligodeoxynucleotides from their oxygenated (phosphodiester) defect species by strong-anion-exchange high-performance liquid chromatography
by B. J. Bergot (Foster City, CA, USA) and W. Egan (Bethesda, MD, USA) 35

Influence of different N- and O-linked carbohydrates on the retention times of synthetic peptides in reversed-phase high-performance liquid chromatography
by L. Otvos, Jr., L. Urge and J. Thurin (Philadelphia, PA, USA) 43

Chromatographic analysis of tropomyosins from rabbit skeletal, chicken gizzard and earthworm muscle
by D. L. Crimmins and R. S. Thoma 51

Polymer-coated reversed-phase packings with controlled hydrophobic properties. I. Effect on the selectivity of protein separations
by M. Hanson and K. K. Unger (Mainz, Germany) and C. T. Mant and R. S. Hodges (Edmonton, Canada) 65

Polymer-coated reversed-phase packings with controlled hydrophobic properties. II. Effect on the selectivity of peptide separations
by M. Hanson and K. K. Unger (Mainz, Germany) and C. T. Mant and R. S. Hodges (Edmonton, Canada) 77

Theory of perfusion chromatography
by A. I. Liapis and M. A. McCoy (Rolla, MO, USA) 87

Isolation of *Der pI*, the *Dermatophagoides pteronyssinus* major mite allergen, from a crude mite culture extract, purification by ion-chromatography, and comparison between the material obtained and a cDNA-coded *Der pI*
by J.-P. Dandeu, J. Rabillon, M. Lux, B. David, J.-L. Guillaume and L. Camoin (Paris, France) 105

High-performance liquid chromatographic separation of detritylated oligonucleotides on highly cross-linked poly(styrene–divinylbenzene) particles
by C. G. Huber (Innsbruck, Austria) and P. J. Oefner and G. K. Bonn (Linz, Austria) 113

Application of capillary reversed-phase high-performance liquid chromatography to high-sensitivity protein sequence analysis
by R. L. Moritz and R. J. Simpson (Parkville, Australia) 119

Characterization of hydrophobic interaction and hydrophobic interaction chromatography media by multivariate analysis
by P. Kårsnäs and T. Lindblom (Uppsala, Sweden) 131

Monitoring the accumulation of nucleoside triphosphates by high-performance liquid chromatography
by P. K. Dutta (Porter, TX, USA) and M. Shanley and G. A. O'Donovan (Denton, TX, USA) 137

Characterization of the heterogeneity of polyethylene glycol-modified superoxide dismutase by chromatographic and electrophoretic techniques
by J. Snider, C. Neville, L.-C. Yuan and J. Bullock (Malvern, PA, USA) 141

Comparison of detergents for extraction and ion-exchange high-performance liquid chromatography of Sendai virus membrane proteins
by G. W. Welling, Y. Hiemstra and M. Feijlbrief (Groningen, Netherlands), C. Örvell (Stockholm, Sweden) and J. van Ede and S. Welling-Wester (Groningen, Netherlands) 157

High-performance liquid chromatography of amino acids, peptides and proteins. CXX. Evaluation of bandwidth behaviour of proteins chromatographed on tentacle-type anion exchangers
by F. W. Fang, M. I. Aguilar and M. T. W. Hearn (Clayton, Australia) 163

High-performance liquid chromatography of amino acids, peptides and proteins. CXXI. 8-Hydroxyquinoline–metal chelate chromatographic support: an additional mode of selectivity in immobilized-metal affinity chromatography
by M. Zachariou and M. T. W. Hearn (Clayton, Australia) 171

Peptide maps of five human pepsin isoenzymes and other aspartic proteinases
by A. T. Jones and N. B. Roberts (Liverpool, UK) 179

High-performance hydrophobic interaction chromatography as a tool for protein refolding
by X. Geng and X. Chang (Xi'an, China) 185

Influence of operating parameters on the preparative gradient elution chromatography of insulins
by G. B. Cox (Indianapolis, IN, USA) 195

Determination of molecular mass distributions of whey protein hydrolysates by high-performance size-exclusion chromatography
by S. Visser, C. J. Slangen and A. J. P. M. Robben (Ede, Netherlands) 205

Prediction of peptide retention time in reversed-phase high-performance liquid chromatography
by C. Chabanet and M. Yvon (Jouy-en-Josas, France) 211

Synthesis and evaluation of epoxy polymer coatings for the analysis of proteins by capillary zone electrophoresis
by J. K. Towns, J. Bao and F. E. Regnier (West Lafayette, IN, USA) 227

Schemes for efficient protein purification on a family of polymeric ion exchangers in glass columns
by D. J. Phillips, P. J. Cheli, D. M. Dion, H. L. Hodgdon, A. M. Pomfret and B. R. San Souci (Milford, MA, USA) 239

Study of the adsorption of self-associating proteins on an anion exchanger. Application to the chromatography of β-lactoglobulin B
by R. Lemque, A. Jaulmes, B. Sébille and C. Vidal-Madjar (Thiais, France) and P. Cysewski (Bydgoszcz, Poland) . . 255

Purification and quantification of recombinant Epstein–Barr viral glycoproteins gp350/220 from Chinese hamster ovary cells
by M. Hessing, H. B. van Schijndel and W. M. J. van Grunsven (Boxtel, Netherlands), H. Wolf (Munich, Germany) and J. M. Middeldorp (Boxtel, Netherlands) 267

Author Index 273

In articles with more than one author, the name of the author to whom correspondence should be addressed is indicated in the article heading by a 6-pointed asterisk (*).